

STRATEGY



Reduce residential energy use

2010 Baseline
5000 kW, 300 therms

2019

6.2% reduction from baseline

2020 Target

15% energy use reduction from baseline in 20% of units

2035 Target

15% energy use reduction from baseline in 50% of units

Reduce municipal energy use

205 million kW, 3 million therms

4.5% increase from baseline

15% reduction from baseline

25% reduction from 2020 goal

Reduce per capita water use

128 gallons per capita per day (GPCD)

107 GPCD

117 GPCD

105 GPCD

STRATEGY



Achieve 100% renewable energy citywide

11% renewable energy content

43% renewable energy content¹

N/A

100% renewable energy content

Increase municipal zero-emission vehicles (ZEV)

0% ZEVs in municipal fleet

2% (21 vehicles) of the City Fleet as converted to Zero Emission Vehicles. There are an additional **75** Plug-In Hybrid and **79** electric utility vehicles within the fleet.²

50% ZEVs in municipal fleet

90% ZEVs in municipal fleet

Convert to compressed natural gas (CNG) waste trucks

0% CNG waste trucks in operation

65% of waste trucks in operation are CNG - 86 of 131

N/A

100% CNG waste trucks in operation

STRATEGY



Increase use of mass transit

4% commuter transit modeshare

8% commuter transit modeshare³

12% commuter transit modeshare

25% commuter transit modeshare

Increase commuter walking opportunities

3.5% pedestrian commuter modeshare

3% pedestrian commuter modeshare³

4% pedestrian commuter modeshare

7% pedestrian commuter modeshare

Increase commuter bicycling opportunities

2% bicyclist commuter modeshare

2% bicyclist commuter modeshare³

6% bicyclist commuter modeshare

18% bicyclist commuter modeshare

Retime traffic signals and install roundabouts

40 traffic signals per year, 0 roundabouts

64 signals retimed, **0** roundabouts

200 traffic signals retimed, 15 roundabouts installed

35 roundabouts installed

Reduce vehicle miles traveled

25 miles per day commute distance

20 miles per day **1** commute distance³

N/A

23 miles per day commute distance

STRATEGY



Divert solid waste

52% diversion rate

65% diversion rate⁴

75% diversion rate

90% diversion rate

Methane capture from the landfill

75% of gas captured from the landfill

73.84% of gas captured from the landfill

80% of gas captured from the landfill

90% of gas captured from the landfill

Methane capture from wastewater treatment

71% of gas captured from the wastewater treatment facility

99.9% of gas captured from the wastewater treatment facility

N/A

98% of gas captures from the wastewater treatment facility

STRATEGY



Increase urban tree canopy cover

7% tree canopy cover citywide

13% tree canopy cover citywide

15% tree canopy cover citywide

35% tree canopy cover citywide

¹ 2018 numbers. Update pending early 2021.

² Plug-in hybrids are disclosed in this report for transparency purposes, but are less reliable in ensuring the City is progressing its actions identified in the CAP as the decrease in gasoline usage can vary. Plug-in hybrids are not calculated as part of the overall % of ZEVs in the City's fleet.

³ Modeshares for transit, bicycling and walking as well as average commute distance have been modeled using best available data and the most up to date methodologies. CY2017 data was developed using the current SANDAG Series 13 activity-based model; baseline data CY2010 was developed utilizing the SANDAG Series 12 four-step model. The City of San Diego gathered additional modeshare data through a commuter survey which is described in more detail on Page 6 of this report. Numbers have been rounded. More information can be found in the Appendix to the 2019 CAP Annual Report (www.SanDiego.gov/sustainability).

⁴ Solid waste figures are delayed due to CalRecycle Revising their methodology

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Action

- 1.1 - Present to City Council for consideration a residential Energy Conservation and Disclosure Ordinance. 
- 1.2 - Present to City Council for consideration a Municipal Energy Strategy and Implementation Plan. 
- 1.3 - Support water rate structures that provide pricing signals that encourage water conservation and reuse, including greywater use, within the limits established by Propositions 218 and 26.

- 1.4 - Present to City Council for consideration a Water Conservation and Disclosure Ordinance. 

- 1.5 - Implement an Outdoor Landscaping Ordinance that requires use of weather-based irrigation controllers.

- 2.1 - Present to City Council for consideration a Community Choice Aggregation (CCA) or another program that increases the renewable energy supply. 

- 2.2 - Present to City Council for consideration an update to City Administrative Regulation 90.73 to increase the number of municipal zero emissions vehicles. 

- 2.3 - Present to City Council for consideration a Municipal Alternative Fuel Policy. 

- 3.1 - Implement the General Plan's Mobility Element and the City of Villages Strategy in Transit Priority Areas* to increase the use of transit. 

- 3.2 - Implement pedestrian improvements in Transit Priority Areas to increase commuter walking opportunities. 

- 3.3 - Implement the City of San Diego's Bicycle Master Plan to increase commuter bicycling opportunities. 

- 3.4 - Implement a Traffic Signal Master Plan to retime traffic signals to reduce vehicle fuel consumption. 

- 3.5 - Implement a Roundabouts Master Plan to install roundabouts to reduce vehicle fuel consumption.

- 3.6 - Implement transit-oriented development within Transit Priority Areas. 

STRATEGY



- 4.1 - Enact the City's Zero Waste Plan, and implement landfill gas collection operational procedures in compliance with the California Air Resources Board's Landfill Methane Capture regulations. 

- 4.2 - Implement operational procedures to capture methane gas from wastewater treatment. 

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- 5.1 - Present to City Council for consideration a city-wide Urban Tree Planting Program. The program shall include water conservation measures to minimize the water use for tree plantings. The measures should include planting drought-tolerant and native trees, and prioritizing tree plantings in areas with recycled water and greywater infrastructure. 

Status

Ongoing

Ongoing

Ongoing

In progress

Complete

Complete

In progress

In progress

Ongoing

Ongoing

Ongoing

Ongoing

Ongoing

In progress

Ongoing

Ongoing

Complete

Update

City of San Diego adopted a Benchmarking Program in 2018. <https://docs.sandiego.gov/municode/MuniCodeChapter14/Ch14Art12Division01.pdf>

Municipal Energy Strategy has been presented to City Council [link to the agenda]. Municipal Energy Strategy Implementation Plan is under development.

The City of San Diego adopted water rate structures to encourage conservation and reuse in 2019. <https://www.sandiego.gov/public-utilities/customer-service/water-and-sewer-rates/water> DSD Bulletin on Grey Water https://www.sandiego.gov/sites/default/files/gray_water_systems.pdf

§ 93.0206 Low Water-Use Plumbing Fixtures
 § 93.00.1010 Water Conservation
 § 93.0208 Water-Conserving Plumbing Standards
 § 93.0201 Mandated Water and Energy Conservation Measures
 §67.0601 Water System and Water Submeters
 A disclosure ordinance has not been presented to council

City of San Diego Landscape Standards – Section 1 <https://www.sandiego.gov/sites/default/files/legacy/development-services/pdf/industry/standards09.pdf>

San Diego Community Power formed September, 2019 <https://www.sdcommunitypower.org>

The Fleet Department is proceeding with ZEV purchases. An update to AR 90.73 has not occurred.

The Fleet Department has replaced over 60% of diesel waste haulers with natural gas and is starting to require contracted waste haulers to do the same. A stand-alone alternative fuel policy has not been developed.

Planning efforts will continue to implement the General Plan and the City of Villages Strategy and community plans are updated. General Plan

Pedestrian improvements are ongoing

The City continues to implement the Bicycle Master Plan https://www.sandiego.gov/sites/default/files/legacy/planning/programs/transportation/mobility/pdf/bicycle_master_plan_final_dec_2013.pdf

Traffic signal retiming is ongoing, a Traffic Signal Master Plan has not been drafted.

Roundabouts are being installed, a Roundabouts Master Plan has not been drafted.

Transit Priority Area Multifamily Residential Parking Standards <https://www.sandiego.gov/sites/default/files/o-21057.pdf>
 Complete Communities: Mobility Choices and Housing Solutions <https://www.sandiego.gov/complete-communities>

The city continues to implement the Zero Waste Plan and methane capture operations at the landfill. <https://www.sandiego.gov/sites/default/files/legacy/mayor/pdf/2015/ZeroWastePlan.pdf>

Methane capture at wastewater treatment facilities is at 99%

In 2017 City Council adopted the Urban Forestry Plan https://www.sandiego.gov/sites/default/files/final_adopted_urban_forestry_program_five_year_plan.pdf
 Free Tree SD is the City's Urban Tree Planting Program <https://www.sandiego.gov/blog/free-tree-sd>
 The tree selection guide prioritizes drought tolerant species. <https://www.sandiego.gov/sites/default/files/street-tree-selection-guide.pdf>
 The City has also increased direct irrigation requirements, further conserving water